



# ULTRAVERTER

## Multifunction Inverter

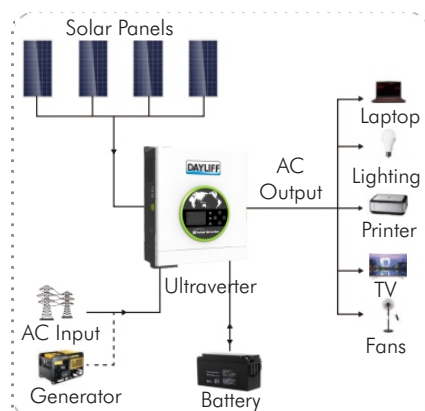


1-3kVA



5.2kVA

### Application Diagram



The Dayliff DUV Ultraverter High Frequency inverter range are versatile high specification multifunction inverters designed for various applications including:-

- Grid Tie combining mains AC and PV module DC input power sources programmable to prioritise PV supply with mains power used to supplement load requirements upto rated inverter power output.
- Off-Grid for stand-alone PV solar powered systems to provide AC power for various load requirements with battery back up for non PV availability.
- Power backup systems for on-grid mains failure battery feed loads.

The inverters include the following features:-

- Pure sine wave output that provides filtered power for use with sensitive electronic devices.
- LCD display for operating parameters and user configurable settings including battery charging current, AC/Solar output priority and input voltages.
- Built-in smart battery charger with automatic switching between AC and Solar power sources for optimised battery performance.
- Built-in MPPT solar charger
- Overload short-circuit protection and deep discharge protection
- Programmable supply prioritisation for PV, battery or grid supply
- Optional WIFI/GPRS for Monitoring software for real time status display and control
- Parallel operation for scalability available on 5200W model only, up to 3 units
- Compatible with lead acid and lithium battery
- Inverters require battery to operate

### TECHNICAL SPECIFICATIONS

MODEL	DAYLIFF SOLAR PV MULTIFUNCTION INVERTERS			
	DUV-1012	DUV-2024	DUV-3024	DUV-5248P
<b>Rated Output Power, VA/W</b>	1,000VA/1000W	2,000VA/2000W	3,000VA/3000W	5,200VA/5,200W
<b>Input AC Voltage, VAC</b>	240			
<b>Maximum PV Input Power, W</b>	720	1500		5,000
<b>Maximum PV Array Open Circuit Voltage, VDC</b>	105	145		450
<b>PV Array MPPT Voltage Range, VDC</b>	15-105	30-120		150-430
<b>Nominal Output Voltage, VAC</b>	240VAC + -5%			
<b>Maximum Solar Charging Current, A</b>	60		80	
<b>Maximum AC Charging Current, A</b>	20	30		80
<b>Nominal Battery Voltage, VDC</b>	12	24		48
<b>Max. Peak Efficiency, %</b>	98%			90%
<b>Parallel Capability</b>	None			Yes, 3 units
<b>Dimension (DxWxH)mm</b>	224x337x98	290x342x125		309x505x147
<b>Weight, Kgs</b>	6	8		14